



DEVINE

DM 10 KIT

Dynamic vocal microphone pack for speech and backing vocals – 3-pack with case



User manual

Any information and illustrations shown in this user manual are subject to change without further notice.

User manual version: 2.0 Creation date + author initials: 19-09-2013 RV Revision date + author initials: 18-02-2014 RV

Introduction

Thank you for purchasing this Devine dynamic microphone kit. Before you unpack all the received items, carefully read this manual to become familiar with the functions of the microphone. Also check the contents of the box to make sure all necessary parts are included.

If the microphones fail to operate properly, or if you have any problems while using it, disconnect it from your mixer, active speaker or audio interface and contact your local dealer for more information and help.

Box contents:

- 3x Devine DM 10 microphones
- 3x Devine CL 10 microphone clips
- 1x transport case

Warning!

- To avoid electric shocks, do not open the microphone housing. There are no user serviceable parts inside.
- Keep the microphone away from intense sunshine, humidity, dust and liquids
- Make sure the microphone is placed on a stable microphone stand while used
- To avoid interference, keep the unit and microphones away from devices like large power supplies, power transformers, radar stations and computers.

Features:

- Dynamic microphone for vocal applications (Karaoke, speech, background vocals)
- Cardioid polar pattern
- Frequency range: 80 Hz – 16 kHz
- Robust construction, metal body and grill
- XLR connector
- Colour: black



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Preparing and using the microphone

The Devine Pro DM 58 dynamic microphone is designed for recording and live playback of instrumental and vocal sound. Thanks to the high quality capsule, this microphone is suitable for use with sound sources as loud as 135 dB, without distortion or quality loss.

The uni-directional polar pattern (cardioid) makes sure that the microphone picks up most of the sound at the front (on top of the grill). It also picks up some sound on the side of the grill. The rear of the microphone (aiming at the connector) is the least sensitive, which is perfect for live applications where floor monitors are used. This way, a feedback loop (high pitched noise when holding the microphone close to a speaker) can be prevented when the microphone is set up properly.

Positioning of your microphone

Place the microphone as close as possible to the sound source to provide optimal audio quality. When using the microphone for instruments, place them as close as possible, as this results in a sound with more low frequencies and also prevents the need to increase gain on your mixer. When using the microphone with vocalists, make sure they hold the microphone at the solid base, without blocking the microphone grill. Hold a distance of +/- 15 cm between your lips and the microphone grill and experiment with the characteristics of the sound. Do not place the microphone under your chin, or at your stomach, to make sure optimal audio quality is guaranteed. When you need more low frequencies, experiment with a closer distance. When blocking the microphone grill (for example by covering it with your hands), airflows of vocals can not be released, which causes a cluttered sound and possible feedback problems.

NOTE: Never hold the microphone in front of any speaker which is in any way connected to the microphone, as this creates an infinite feedback loop. Any damage caused by such actions is not covered by warranty. Using the microphone to record sound of a guitar amplifier (or similar sources) is possible

Cleaning

When using this microphone with vocalists, you may want to clean the microphone once in a while. It is possible to remove the top grill by turning it in counter-clockwise direction. Then, the grill can be sprayed with disinfecting (but non-aggressive) solutions. Never spray any form of liquids directly onto the microphone when the grill is still mounted, as this might have high impact on the microphone capsule.

Do not touch the microphone capsule or other components which are positioned under the grill, as this might reduce the lifespan of the microphone. Always place the microphone grill back onto the microphone during transport and use.

Protect your microphone:

This Devine microphone is equipped with very sensitive electronics to provide optimal audio performance. Make sure the microphone is not exposed to severe shocks, collision, drops from high altitude or any situations that may cause permanent damage. Improper use of the microphone is not covered by warranty. Always transport the microphone in the original packaging, or in a flightcase with proper foam inlay.



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Troubleshooting

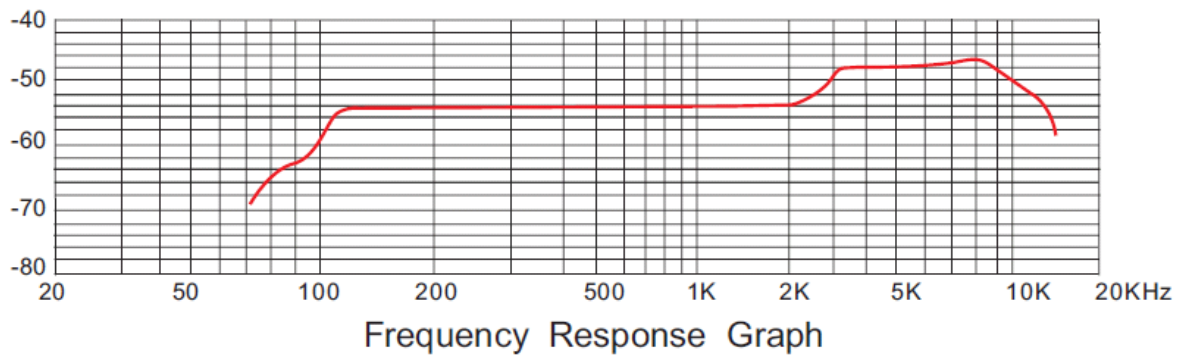
Problem	Possible Cause	Solution
No sound, or very low sound signal	Volume set too low	Increase incoming volume and gain on your mixer, interface or other sound processing device
	Microphone positioned too far away	Place the microphone closer to the sound source
Rattling and cracking sounds	Moist inside the microphone	Let the microphone dry on room temperature and avoid use of the microphone in humid or moist environments. Do not let the microphone come in contact with water or liquids.
Loud high frequencies coming from the speakers	Microphone positioned too close to the speakers, which causes feedback	Move the microphone further away from the speakers, or change the position to prevent the microphone to be aimed directly at the speakers.
Interruptance of the microphone signal	Loose cable or broken cable	Check if the cable is plugged into the microphone correctly. If that does not solve the problem, try to change the cable.
Distortion and/or noise in the captured sound	Too much airflow caused by vocal airflows	Use a pop filter (sold separately)
	Too much airflow caused by wind (outdoor use)	Use the windscreen (included)

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Technical specifications



- Dynamic microphone for vocal and instrument applications
- Cardioid polar pattern
- Frequency range: 80 Hz – 16 kHz
- Robust construction, metal body and grill
- XLR connector
- Colour: black
- Dynamic microphone capsule
- Low noise
- Minimum feedback thanks to cardioid polar pattern
- Polar pattern: Cardioid (uni-directional)
- Sensitivity: -54 dB (+/- 3 dB. 0dB = 1V/Pa @ 1 kHz)
- Output impedance: 500 Ohms (+/- 30%, @ 1 kHz)

Included case:

- Molded case with two latches
- Interior foam padding for optimal protection against shocks, bumps and collision

CL 10 microphone clips:

- 5/8 inch thread
- For use with the DM 10 microphones, or microphones with similar appearance/width